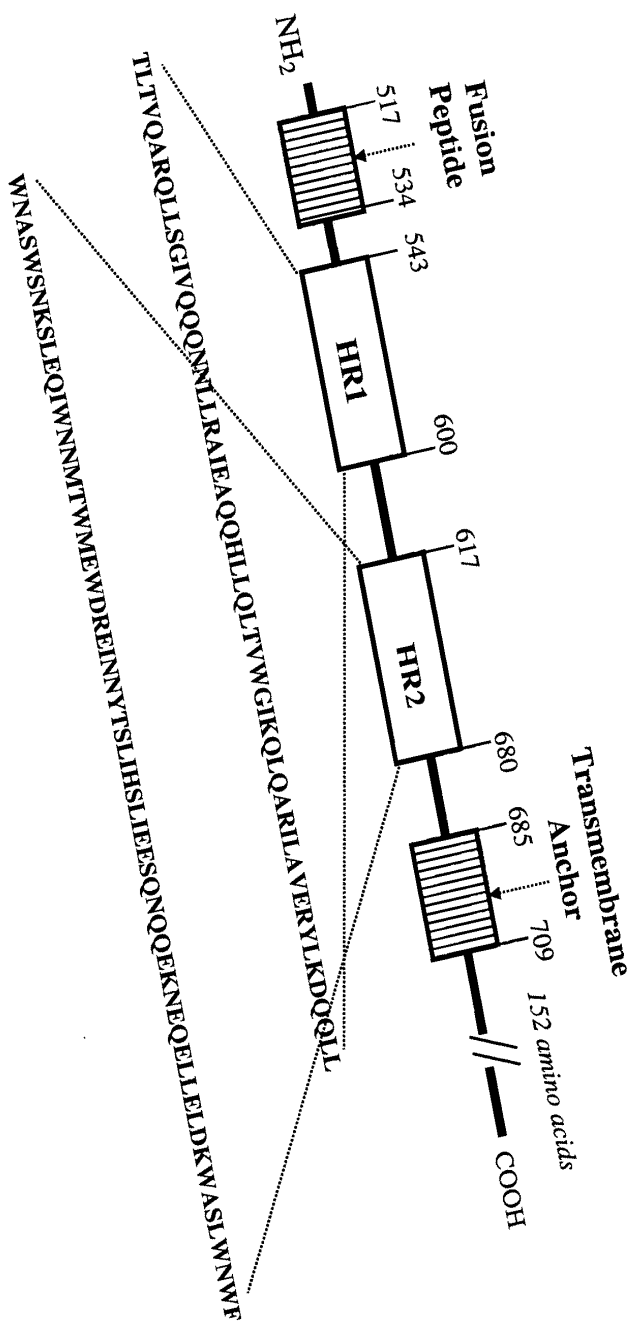


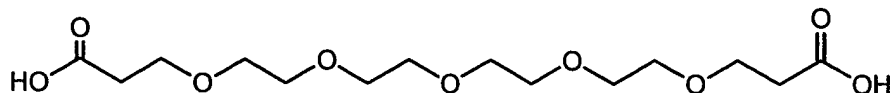
**FIG. 1**



# FIG. 2

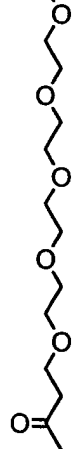
H-Tyr(tBu)-Thr(tBu)-Ser(tBu)-Leu-Ile-His(trt)-Ser(tBu)-Leu-Ile-Glu(OtBu)-  
Glu(OtBu)-Ser(tBu)-Gln(trt)-Asn(trt)-Gln(trt)-Gln-Glu(OtBu)-Lys(Boc)-Asn(trt)-  
Glu(OtBu)-Gln(trt)-Glu(OtBu)-Leu-Leu-Glu(OtBu)-Leu-Asp(tBu)-Lys(Boc)-Trp(Boc)-  
Ala-Ser(tBu)-Leu-Trp(Boc)-Asn(trt)-Trp(Boc)-Phe-NH<sub>2</sub>

+



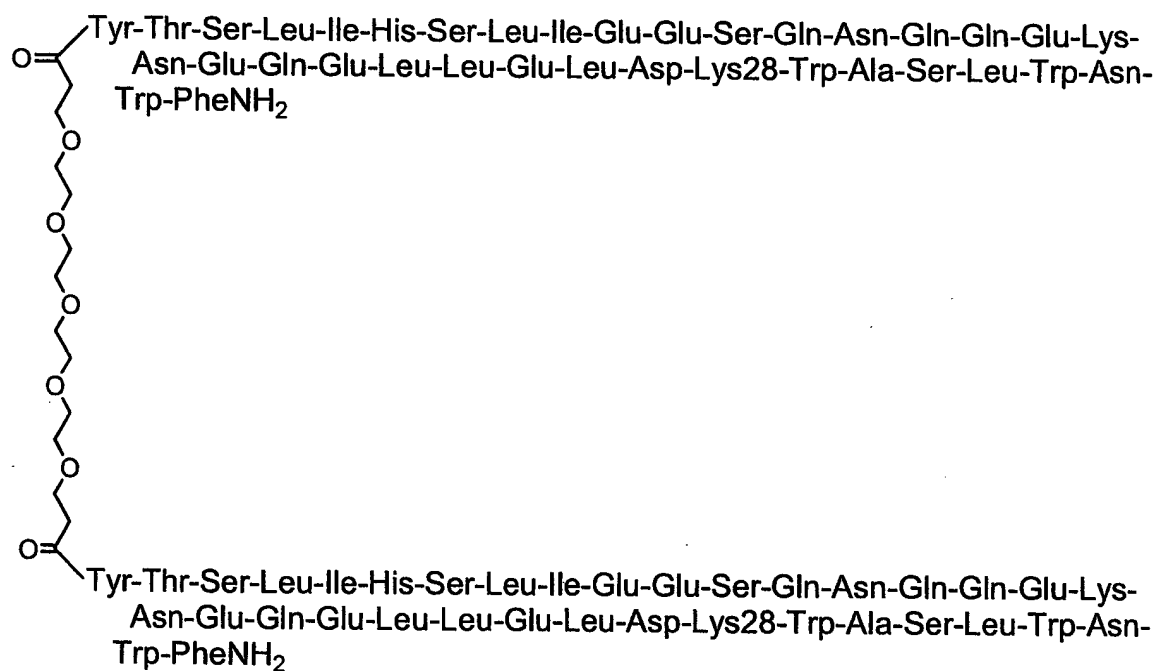
↓  
1) HBTU, HOAT, DIEA, DMF  
2) H<sub>2</sub>O

Tyr(tBu)-Thr(tBu)-Ser(tBu)-Leu-Ile-His(trt)-Ser(tBu)-Leu-Ile-Glu(OtBu)-  
Glu(OtBu)-Ser(tBu)-Gln(trt)-Asn(trt)-Gln(trt)-Gln-Glu(OtBu)-Lys(Boc)-Asn(trt)-  
Glu(OtBu)-Gln(trt)-Glu(OtBu)-Leu-Leu-Glu(OtBu)-Leu-Asp(tBu)-Lys(Boc)-Trp(Boc)-  
Ala-Ser(tBu)-Leu-Trp(Boc)-Asn(trt)-Trp(Boc)-Phe-NH<sub>2</sub>



Tyr(tBu)-Thr(tBu)-Ser(tBu)-Leu-Ile-His(trt)-Ser(tBu)-Leu-Ile-Glu(OtBu)-  
Glu(OtBu)-Ser(tBu)-Gln(trt)-Asn(trt)-Gln(trt)-Gln-Glu(OtBu)-Lys(Boc)-Asn(trt)-  
Glu(OtBu)-Gln(trt)-Glu(OtBu)-Leu-Leu-Glu(OtBu)-Leu-Asp(tBu)-Lys(Boc)-Trp(Boc)-  
Ala-Ser(tBu)-Leu-Trp(Boc)-Asn(trt)-Trp(Boc)-Phe-NH<sub>2</sub>

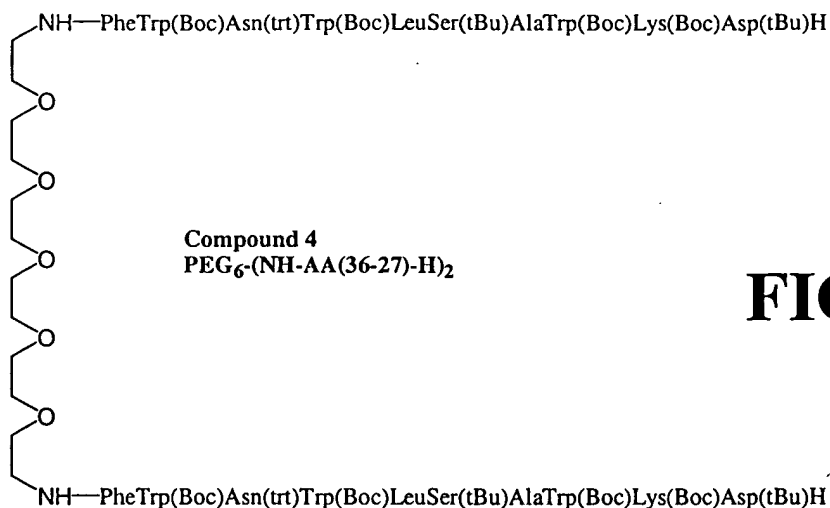
↓  
1) TFA, DDT, H<sub>2</sub>O  
2) MTBE  
3) Chromatographic Purification



**FIG. 2 (continued)**

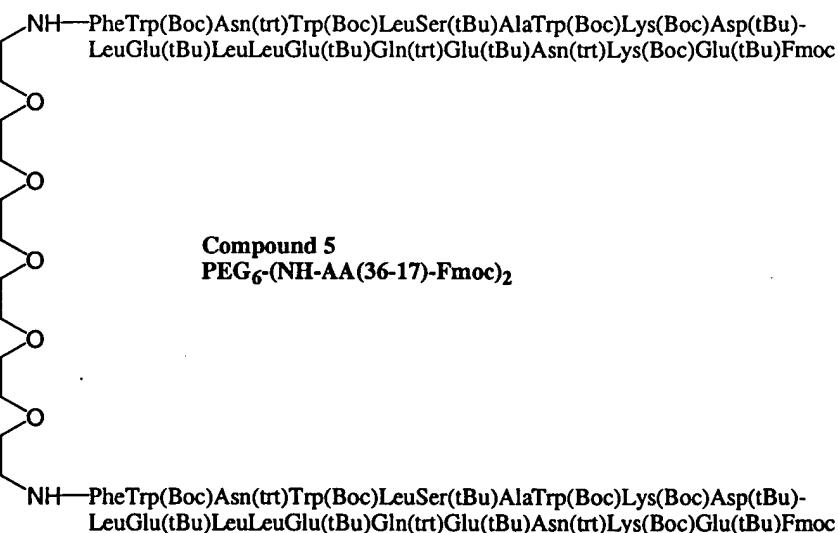


# FIG. 3 continued



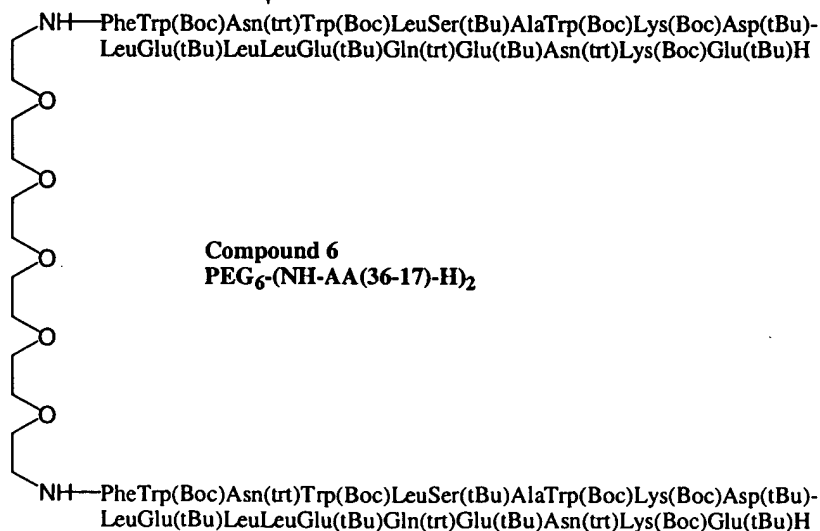
**Compound 4**  
 $\text{PEG}_6-(\text{NH-AA}(36-27)\text{-H})_2$

$\text{FmocGlu}(\text{tBu})\text{Lys}(\text{Boc})\text{Asn}(\text{trt})\text{Glu}(\text{tBu})\text{-}$   
 $\text{Gln}(\text{trt})\text{Glu}(\text{tBu})\text{LeuLeuGlu}(\text{tBu})\text{LeuOH}$   
 $\text{FmocAA17-26OH}$

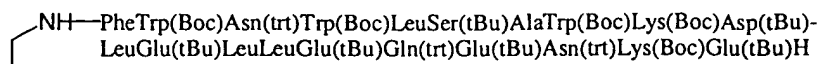


**Compound 5**  
 $\text{PEG}_6-(\text{NH-AA}(36-17)\text{-Fmoc})_2$

**DBU**

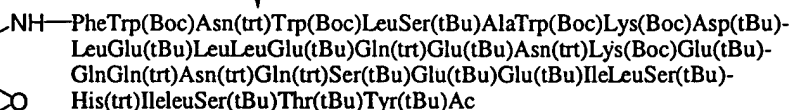
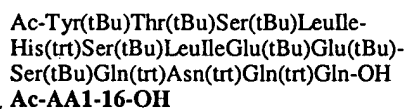
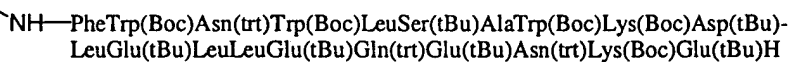


**Compound 6**  
 $\text{PEG}_6-(\text{NH-AA}(36-17)\text{-H})_2$

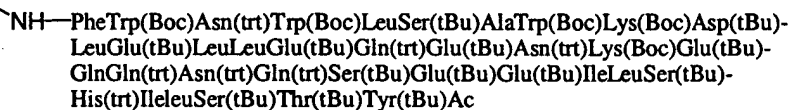


**Compound 6**  
**PEG<sub>6</sub>-(NH-AA(36-17)-H)<sub>2</sub>**

## FIG. 3 continued



**Compound 7**  
**PEG<sub>6</sub>-(NH-AA(36-1)-Ac)<sub>2</sub>**



↓ **Deprotection and Decarboxylation**



**Compound 8**  
**PEG<sub>6</sub>-(T20)<sub>2</sub>**

